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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/885,220	06/20/2001	William Kurt Dobson	William Kurt Dobson 97-573-A 3203		
7590 07/16/2004			EXAMINER		
McDonnell Boehnen Hulbert & Berghoff			HA, DAC V		
32nd Floor 300 S. Wacker Drive		ART UNIT	PAPER NUMBER		
Chicago, IL 60606			2634	2634	
	•		DATE MAILED: 07/16/2004	, 7	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
•	09/885;220	DOBSON, WILLIAM KURT			
Office Action Summary	Examiner	Art Unit			
	Dac V. Ha	2634			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed rs will be considered timely. I the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 29 A	pril 2004.				
	action is non-final.				
• •	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) 1-20 is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine	r. ·				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the	•	` '			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)					
Notice of References Cited (PTO-892)	4) Interview Summary				
P) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate atent Application (PTO-152)			

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DETAILED ACTION

1. This office action is in response to the amendment filed on 04/29/04.

2. This application is in condition for allowance except for the following formal matters:

Claim 1:

port".

Line 4, the recitation "said first port" should be changed to "the first port".

Line 5, the recitation "said second port" should be changed to "the second

Line 6, the recitation "said transceivers" should be changed to "said plurality of transceivers".

Line 7, the recitation "receiver" should be changed to "a receiver".

Line 10, the recitation "said transceivers" should be changed to "said plurality of transceivers".

Line 12, the recitation "said received time domain signal" should be changed to "the received time domain signal".

Line 13, the recitation "said equalizer" should be changed to "said frequency domain equalizer".

Line 15, the recitation "transceiver" should be changed to "receiver".

Line 19, the recitation "said filter taps" should be changed to "filter taps".

Line 19, the recitation "each said carrier" should be changed to "said each carrier".

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Line 20, the recitation "at least two non-adjacent carriers" should be changed to "said at least two non-adjacent carriers".

Claim 2:

Line 1-2, the recitation "said know symbols" should be changed to "said at least one known symbol".

Claim 3:

Line 1, the recitation "said equalizer" should be changed to "said frequency domain equalizer".

Claim 4:

Line 1, the recitation "said equalizer" should be changed to "said frequency domain equalizer".

Line 2, the recitation "said known symbols" should be changed to "said at least one known symbol".

Line 2, the recitation, "said at least two carriers" should be changed to "said at least two non-adjacent carriers".

Claim 5:

Line 1, the recitation, "said at least two carriers" should be changed to "said at least two non-adjacent carriers".

Claim 6:

Line 2, the recitation "the POTS" should be changed to "a Plain Old Telephone Service (POTS)".

Claim 7:

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Line 1, the recitation "said multi carrier modem" should be changed to "each of said plurality of transceivers".

Claim 8:

Line 3, the recitation "a computing device" should be changed to "the computing device".

Lines 4-5, the recitation "a shared electrical signaling medium" should be changed to "the shared electrical signaling medium".

Line 6, the recitation "said first and second physical interfaces" should be changed to "the first and second physical interfaces".

Line 7, the recitation "said first interface" should be changed to "said first physical interface".

Line 8, the recitation "said second interface" should be changed to "said second physical interface".

Line 9, the recitation "each said burst" should be changed to "each of said modulated multi-carrier data bursts".

Line 12, the recitation "said equalizer" should be changed to "said frequency domain equalizer".

Line 13, the recitation "data burst" should be changed to "data bursts".

Line 15, the recitation "said equalizer" should be changed to "said frequency domain equalizer".

Line 15, the recitation "said filter taps" should be changed to "equalizer taps".

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Claim 13:

Line 2, the recitation "the frequency range" should be changed to "a frequency range".

Line 2, the recitation "POTS services" should be changed to "a Plain Old Telephone Service (POTS)".

Claim 14:

Line 1-2, the recitation "said multi carrier transceiver" should be changed to "said transceiver".

Claim 15:

Line 7, the recitation "the points" should be changed to "the signal points".

Line 8, the parameter "N" should be clearly defined (i.e. N is an integer greater than 1).

Line 10, the recitation "a plurality of computing devices" should be changed to "the plurality of computing devices".

Lines 10-11, the recitation "a shared communication medium" should be changed to "the shared communication medium".

Line 12, the recitation "time domain signals" should be changed to "the time domain signals".

Claim 17:

Line 1, "Nth" should be changed to "Nth".

Claim 18:

Line 2, the recitation "set of" should be changed to "set of signal points".

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Claim 19:

Line 2, the recitation "POTS" should be changed to " Plain Old Telephone Service (POTS)".

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

3. Claims 1-20 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 703-306-5536. The examiner can normally be reached on 5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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